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30743 7590 01/25/2005

WHITHAM, CURTIS & CHRISTOFFERSON, P.C.
11491 SUNSET HILLS ROAD
SUITE 340
RESTON, VA 20190

04/13/2005 JADD02 00000066 09853622

01 FC:1501 1400.00 OP
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,622	05/14/2001	Kazuhiko Hayashi	NEC2370-US	7276

TITLE OF INVENTION: METHOD FOR SMOOTHING A BARRIER LAYER IN A MAGNETORESISTIVE EFFECT SENSOR BY SMOOTHING A LAYER UPON WHICH THE BARRIER LAYER IS FORMED, AND A SENSOR HAVING A BARRIER LAYER FORMED UPON A SMOOTHED LAYER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	04/25/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
RENNER, CRAIG A	2652	360-324200

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
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2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Whitham, Curtis & Christofferson, PC

2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

NEC Corporation

Tokyo, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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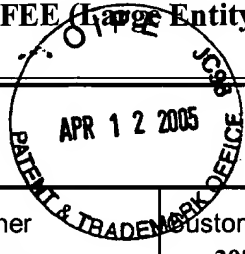
Date April 12, 2005Typed or printed name Clyde R ChristoffersonRegistration No. 34,138

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity) (37 C.F.R. 1.311)	Docket No. 04150012AA
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Applicant(s): K. Hayashi, et al.



Application No. 09/853,622	Filing Date May 14, 2001	Examiner C. A. Renner	Customer No. 30743	Group Art Unit 2652	Confirmation No. 7276
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Invention: **METHOD FOR SMOOTHING A BARRIER LAYER IN A MAGNETORESISTIVE EFFECT SENSOR BY SMOOTHING A LAYER UPON WHICH THE BARRIER LAYER IS FORMED, AND A SENSOR HAVING A BARRIER LAYER FORMED UPON A SMOOTHED LAYER**

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Transmitted herewith are the following for the above-identified application.

- ☒ Issue Fee Transmittal Form PTOL-85
- ☒ Utility Fee: \$ 1406.00 ☐ Design Fee: _____ ☐ Plant Fee: _____
- ☒ Publication Fee: \$ 300.00
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Signature

Dated: April 12, 2005

Clyde R Christofferson
Reg No. 34,138
Whitham, Curtis & Christofferson, PC
11491 Sunset Hills Road, Suite 340
Reston, Virginia 20190
703-787-9400

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